



PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Terry, John B.	Attorney Docket:	0960-017
Serial No:	09/818,378	Examiner:	Not Assigned
Filed:	03/27/2001	Art Unit:	2661
TITLE: Architecture and method for automatic distributed gain control for modem communications over passive multipoint networks.			

SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

RECEIVED

Assistant Commissioner for Patents
Washington D.C. 20231

AUG 12 2003

Technology Center 2600

Transmitted herewith is Form PTO/SB/08A providing material that may be relevant to the subject application. These patents were located during preparation of an International Search Report prepared for a PCT application on the same subject matter as the above-identified application. A copy of the search report is included for the convenience of the Examiner. As noted in the search report, each of these three patents was deemed to be type "A" art. The search report finds the entirety of each of these patents to be of interest with respect to the entire pending claim set of PCT claims.

It respectfully requested that these documents be considered by the Examiner and an initialed copy of each form be returned to the undersigned. It is believed that this disclosure complies with the requirements of 37 CFR §§ 1.56, 1.97 and 1.98 and the MPEP § 609. If for some reason the Examiner considers otherwise, it is respectfully requested that the undersigned be called so that any deficiencies can be remedied.

Submission of these documents is consistent with the broadest interpretation of the duty of disclosure. In accordance with the rule for patent prosecution, such a submission is not to be construed as an admission that the information cited in the Information Disclosure Statement is, or is considered to be, material to patentability as defined in §1.56. Applicant respectfully reserves the right to challenge a conclusion that any of the submitted material represents information constituting prior art to the present application or that the information that applicant has located would be of the type used by one of ordinary skill in the art in solving the problems addressed in the present application. The submission of these materials is consistent with the duty of disclosure and should not be interpreted as an indication that applicant has made a prior art search such that the Examiner should not undertake to conduct an independent prior art search.

Applicant provides the following information to help introduce the Examiner to the cited art. Applicant encourages the Examiner to read the cited art carefully to seek all portions that may be relevant to one or more pending claims.

US Pat. No. 6,028,860 to Laubach et al.

While this patent is directed to bi-directional communications with computers over a CATV coax cable inside a home it solves the gain control in a different manner. Figure 7 and the relevant text mention an Amplifier and Automatic Level Control 715. There does not appear to be any teaching of the method of the present application, which involves measurements made at the hub with control signals sent to the client modems to adjust the gain for subsequent upstream transmissions.

US Pat. No. 6,061,440 to Delaney et al.

This patent is directed to a system to allow multiple users to conduct a voice conference over standard telephone lines while simultaneously viewing shared slides, graphs, text or other objects. While there is mention of gain control: "Other conference functions can include gain control, whisper sub-conferencing, and a kick out function. Examples of these conference functions are described in more detail herein." (COL 12 lines 4-6). This appears to be related to the gain of the telephone equipment (mute, whisper etc.) and not the gain for the transmitter that is sending the upstream data transmissions.

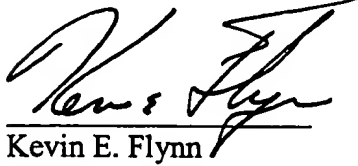
US Pat. No. 6,212,397 to Langston et al.

While this patent is directed to a method and system of controlling multipoint stations, it is not a coax tree and branch network. Figure 6 and Col 6 lines 51-63 describe the Automatic Gain Control as measuring the pilot signal strength received at the remote station and then adjusting both the gain of the remote receiver and the gain of the remote transmitter to adjust for the time variable component in signal loss (such as from weather conditions in this wireless system). This patent does not teach or suggest the method and system for gain control of the present application.

Applicant asserts that none of these references alone or in combination with any art of record should be an obstacle to allowing the claims as currently pending.

Dated: September 24, 2001

Respectfully submitted,



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Enclosures

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Sheet

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09/818.378

March 27, 2001

Terry, John B.

2661

Not Assigned

0960-017

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Examiner Initials *	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ^a
		Office ³	Number ⁴	Kind Code ² (if known)				
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TRANSMITTAL FORM

AUG 08 2003

(to be used for all correspondence after initial filing)

Total Number of Patents in This Submission **4**Application Number **09/818,378**Filing Date **03/27/01**First Named Inventor **Terry, John B.**

Group / Art Unit

Examiner Name

Attorney Docket No. **0960-017**

ENCLOSURES (check all that apply)

☐ Fee Transmittal Form☐ Fee Attached☐ Amendment / Response☐ After Final☐ Affidavits/declaration(s)☐ Extension of Time Request☐ Express Abandonment Request☒ Information Disclosure Statement☐ Certified Copy of Priority Document(s)☐ Response to Missing Parts/
Incomplete Application☐ Response to Missing
Parts under 37 CFR
1.52 or 1.53☐ Assignment Papers
(for an Application)☐ Drawing(s)☐ Licensing-related Papers☐ Petition Routing Slip (PTO/SB/69)
and Accompanying Petition☐ Petition to Convert to a
Provisional Application☐ Power of Attorney, Revocation
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(Appeal Notice, Brief, Reply Brief)☐ Proprietary Information☐ Status Letter☐ Additional Enclosure(s)
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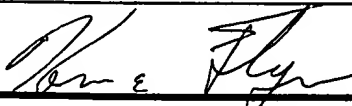
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name

Kevin E. Flynn

Signature



Date

04/17/2001

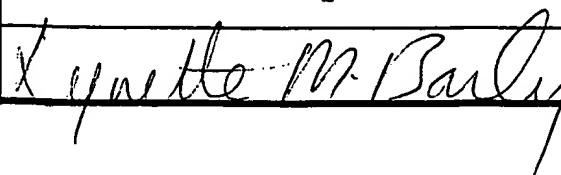
CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date:

Typed or printed name

Lynette M. Bailey

Signature



Date

04/17/01